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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/232,566 01/15/99 JANSEN

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EXAMINER

TM02/0129

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V.D.T	
ART UNIT	PAPER NUMBER

2613
DATE MAILED:

01/29/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No.

09/232,566

Applicant(s)

JANSEN, ROLF

Examiner

Tung T. Vo

Art Unit

2613

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 3 and 4 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) 3 and 4 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claims ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. & 119(e).

Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____.
- 18) ☐ Interview Summary (PTO-413) Paper No(s) ____.
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other: _____

DETAILED ACTION

Drawings

The corrected or substitute drawings were received on 9/6/00. These drawings are approval.

Response to Arguments

1. Applicant's arguments with respect to claims 3 and 4 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over King (US 5,971,468) in view of Frankhouse et al. (US 5,940,120).

Re claim 3, King discloses an assembly of a camcorder-type liquid crystal display monitor (26 of fig. 1) is mounted to the inner retracted side of a driver sunvisor (24 of fig. 1) of a vehicle (20 of fig. 1) when the sunvisor is lowered allows a driver easily direct, close-range, sunlight-protected viewing of the monitor screen, the display monitor is connected to a navigation system to display a navigation information.

It is noted that King discloses the display monitor is connected to the navigation system but King fails to particularly connect to a video camera to see to the rear when the unaided view

Art Unit: 2613

is obstructed. However, Frankhouse teaches a LCD display (90 of fig. 6) is mounted to the compartment (124 of fig. 6) of the vehicle to display information of a rear view captured by a video camera (96 of fig. 10). Taking the teachings of King and Frankhouse together as a whole, it would have been obvious to one of ordinary skill in the art to modify the camera (96) of Frankhouse into the system of King for the same purpose of capturing a angle rear view of traffic or objects behind the vehicle. Doing would allow the driver see a various locations around vehicle without turning his/her head around.

3. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Aberfelder et al. (US 5,646,614) *in view* (Aviv)

Re claim 4, Abersfelder discloses a camera (11 of fig. 1) is built in and located on the back of a car (10 of fig. 1), whereby said camera is located in the ideal at rear of the car for viewing a backing and connected to a monitor (15 of fig. 1), and wide angle lenses are used in this particular camera to receive a wide view image. It is noted that Abersfelder fails to particularly disclose the camera is mounted on the reverse side of a license plate at the rear of vehicle so that the camera can see through a predetermined-sized hole put in the license plate. However, it is well established that one skilled in the art would have obvious to mount the camera anywhere on the car, particularly on the reverse side of a license plate at the rear of the vehicle, and the camera can see through a predetermined-sized hole put in the license plate a rear view when the vehicle is backing.

Abersfelder further teaches any conventional and suitable camera lenses, camera lenses of very compact construction can be used, without the requirement of extending the camera purposes of realizing a sufficient viewing angle (col. 2, lines 16-25). However, Abersfelder does

Art Unit: 2613

not particularly disclose a pin hole lens which is used for a camera. Aviv teaches a pin hole lens is used for a camera (col. 9, lines 54-65). Taking the teachings of Abersfelder et al and Aviv together as a whole, it would have been obvious to one of ordinary skill in the art to modify the pin hole lens of Aviv into the system of Abersfelder for the same purpose of seeing through the predetermined sized hole of license plate.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Contact Information

Art Unit: 2613


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung T. Vo whose telephone number is (703) 308-5874. The examiner can normally be reached on M-F 7:30AM-4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Kelley can be reached on (703) 305-4856. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-6306 for regular communications and (703) 308-6306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

Tung T. Vo
Examiner
Art Unit 2613

T.vo.
January 23, 2001


CHRIS KELLEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600